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IS 370.01: Database Management Systems

Gerald E. Evans

University of Montana - Missoula, jerry.evans@umontana.edu

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The University of Montana

IS 370 01 Database Management Systems TR 11:10-12:30 GBB L14

IS 370 02 Database Management Systems TR 12:40-2:00 GBB L14

Instructor: Dr. Gerald Evans

Office: GBB 358

Phone: x6531

E-mail: jevans@selway.umt.edu

Office Hours: TR 8:30-9:30 am

Text: Modern Database Management by McFadden, Hoffer, and Prescott Fifth Edition

Schedule

9/4, 6	Chapter 1: The Context of Database Management
9/11, 13	Chapter 2: Database Development Process
9/18, 20	Chapter 3: The Entity-Relationship Model
9/25, 27	Chapter 4: The Enhanced E-R Model and Business Rules
10/2, 4	Chapter 5: Object-Oriented Modeling
10/9, 11	Chapter 6: Logical Database Design and the Relational Model
10/16, 18	Chapter 7: Physical Database Design
10/23, 25	Chapter 8: Client/Server and Middleware
10/30, 11/1	Chapter 9: SQL
11/6, 8	Chapter 10: Database Access from Client Applications
11/13, 15	Chapter 11: Distributed Databases
11/20	Chapter 12: Object-Oriented Database Development
11/27, 29	Chapter 13: Data and Data Administration
12/4, 6	Chapter 14: Data Warehouse
12/11, 13	Project Presentations

Final Exam Schedule: Section 01, 12/20 10:10am-12:00 pm Project Presentations
Section 02, 12/21 10:10am-12:00 pm Project Presentations

Grading: Six to ten quizzes or computer assignments will be given randomly throughout the semester. The quizzes will be objective format exams that will test knowledge of terms and relevant skills (e.g. drawing E-R diagrams). The homework will be computer assignments that must be completed individually. The quiz and homework scores will count 75% of the final grade. The remaining 25% of the final grade will be the project.

Project: Self-organized teams of 4-6 students each will develop a database project in Microsoft Access. The project can be for a specific business, a case from this or another text, or a fictitious organization. The specifications for the project are as follows: Each database must consist of at least 3 tables and include 2 queries, 2 forms, and 2 reports. In addition to the actual presentation, each team of students must turn in copies of their Power Point slides, E-R diagrams, printouts of data tables, forms and reports, and any necessary supporting materials. The projects will be presented on the dates shown in the course schedule. Specific presentation times for each team will be developed later in the course. All students must attend all presentations.